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(71) Applicant (for all designated States except US): XY, INC. [US/US]; 1108 North Lemay Avenue, Fort Collins, CO 80524 (US).

(72) Inventors: and

- (75) Inventors/Applicants (for US only): LINDSEY, Allison, C. [US/US]; c/o XY, Inc., 1108 North Lemay Avenue, Fort Collins, CO 80524 (US). SCHENK, John, L. [US/US]; c/o XY, Inc., 1108 North Lemay Avenue, Fort Collins, CO 80524 (US).
- (74) Agent: MILES, Craig, R.; Santangelo Law Offices, P.C., 125 South Howes, Third Floor, Fort Collins, CO 80521 (US).
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#### **Declarations under Rule 4.17:**

- as to the identity of the inventor (Rule 4.17(i)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW. ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

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(54) Title: SPERM CELL PROCESS SYSTEM

(57) Abstract: A semen or sperm cell process system to maintain or enhance the biological, chemical, physical, physiological, or functional attributes of sperm cells within the context of various collecting, handling, storage, transportation, separation, or insemination procedures.





# **INTERNATIONAL SEARCH REPORT**

International application No.

PCT/US03/22906

| A. CLASSIFICATION OF SUBJECT MATTER   |   |   |                                  |
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| IPC(7) : A01N 1/02<br>US CL : 435/2; 424/537  |   |   |                                  |
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| Minimum documentation searched (classification system followed by classification symbols)  U.S.: 435/2; 424/537                   |   |   |                                  |
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| · ·   |   |   |                                  |
| C. DOCUMENTS CONSIDERED TO BE RELEVANT  |   |   |                                  |
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| х   | US 6,395,305 B1 (BUHR et al) 28 May 2002 (28.   | 05.2002), see entire document.  | 1-33                             |
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| Name and mailing address of the ISA/US  Authorized officer.  D. Raberto   |   |   |                                  |
| Mail Stop PCT, Aun: ISA/US Commissioner for Patents   |   | Althorized officer. D. Roberts you  |                                  |
| P.O. Box 1450   |   | Telephone No. (703) 308-1235  |                                  |
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